Going Beyond Algebraic Methods

Solve each system of equations using an algebraic method.

1.
$$\begin{cases} 4x - y = 7 \\ -6x + 2y = 8 \end{cases}$$

2.
$$\begin{cases} 4x + 2y = -8 \\ x - 2y = -7 \end{cases}$$

3. Create a system of equations and then solve.

*One week Carlos purchased 6 dog leashes and 6 cat brushes for $45.00 for Clarita to use while pampering the pets. Later in the summer he purchased 3 additional dog leashes and 2 cat brushes for $19.00. What is the price of each item?*